



National Engineers Week

Future City Competition™

2018 South Florida Regional Competition

Sponsored by



FLORIDA INTERNATIONAL UNIVERSITY

College of Engineering and Computing

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NATIONAL ENGINEERS WEEK FUTURE CITY COMPETITION

(Competition for 6th, 7th & 8th Graders)

www.futurecity.org and www.aln.fiu.edu/futurecity

IT'S THAT TIME OF YEAR AND WE NEED MENTORS AND JUDGES TO ASSIST MIDDLE SCHOOLS PARTICIPATING IN THE UPCOMING FUTURE CITY COMPETITION!!

The Future City Competition is a transformative, project-based learning experience that asks 6th, 7th, & 8th graders to imagine, design, and build cities of the future. Student teams spend four months:

- Designing a virtual city (using SimCity),
- Researching and designing solutions to a city wide issue (this year's topic—**The Age-Friendly City**—asks students to identify an age-related challenge that exists in today's urban environment and engineer two innovative solutions that allow their city's senior citizens to be as active and independent as they want to be), and
- Building a scale model of their city. In January teams present their vision to a panel of volunteer judges.

Mentors make connections to real-life experiences, serve as technical coaches, and help students translate academic concepts to the real world of engineering and city design.

- Working with the team's educator (a teacher, parent, or afterschool leader who serves as the project director), the Future City mentor provides guidance, real-life connections, and technical assistance.
- You may interact with your team in person, via email, or even via skype! Typically, most mentors volunteer 20-40 hours between September and January.
- In the early weeks, you'll meet with the team to get to know the students and focus them on the big picture: good urban design, an overview of the essay topic, and brainstorming possible solutions. Later, you may help students establish a scale for their model and work with them to polish their presentation.
- **Your students may compete in their regional competition and if they win, you'll join them (free airfare and hotel) for the Finals in February in Washington, DC!**

Are you looking for a chance to see tomorrow's leaders in action? As a Model & Presentation **judge**, you and your fellow judges will see six or seven teams present their city's unique features, learn how they came up with their ideas, and have a chance to ask questions.

- We may have up to 10 teams competing and that means we will need approximately 30 to 35 preliminary round judges.
- We anticipate 5 special awards, and for each we need a minimum of 2 judges each, preferably 3, so that means some 12 to 15 special award judges;
- then we will need from 3 to 5 engineers for the final round since FIU provides 2.

- Judges time commitment varies between 2-8 hours on competition day, which is Saturday January 20th, 2018 at FIU. Simply let the regional coordinators (Dr. Mohammed or Dave Clarke) know how much time you can commit to the program when you first register as judge and what times you are available on that day.

PLEASE, PLEASE, PLEASE... WE DON'T NEED JUST ENGINEERS; WE CAN USE SURVEYORS, CONTRACTORS, ARCHITECTS AND CADD TECHNICIANS TOO!

Mentor sign up. You can sign up online at: <https://secure.futurecity.org/MentorBin/Mentor/Open/Enroll>

Judges sign up. You can sign up online at: <https://secure.futurecity.org/JudgeBin/Judge/Open/Enroll>

In "My Choice of Region" drop down menu, please select Florida (South) Region or contact:

*If you are serving as a mentor for a team competing at the regionals, we ask that you **DO NOT** also serve as a judge, due to any perceived or real conflicts of interest. In future years, you may choose to judge rather than mentor a team. Serving as a judge can certainly give you a unique perspective on the competition and improve your ability to serve as a mentor.*

REGIONAL COORDINATOR Dr. Osama Mohammed, PhD
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FES CONTACT Dave Clarke, PE
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Regional Competition Information

When: Saturday, January 20, 2018

Where: FIU College of Engineering - 10555 W Flagler St, Miami, FL 33174

Time: 7:30am

PARTNERING WITH: **FIU** | FLORIDA INTERNATIONAL UNIVERSITY

